

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------|---|----|--------------------------|------------------------|---------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Complete if Known | | |
| | | | Application Number | 09/929,597 | |
| | | | Filing Date | August 13, 2001 | |
| | | | First Named Inventor | Whitehurst, et al. | |
| | | | Art Unit | 3762 | |
| | | | Examiner Name | | |
| Sheet | 1 | of | 2 | Attorney Docket Number | AB-126U |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| jm | A1 | US-3,646,940 | 03-07-1972 | Timm, et al. | |
| | A2 | US-4,338,945 | 07-13-1982 | Kosugi, et al. | |
| | A3 | US-4,431,001 | 02-14-1984 | Hakansson, et al. | |
| | A4 | US-4,703,755 | 11-03-1987 | Tanagho, et al. | |
| | A5 | US-4,739,764 | 04-26-1988 | Lue, et al. | |
| | A6 | US-4,771,779 | 09-20-1988 | Tanagho, et al. | |
| | A7 | US-5,094,242 | 03-10-1992 | Gleason, et al. | |
| | A8 | US-5,193,539 | 03-16-1993 | Schulman, et al. | |
| | A9 | US-5,193,540 | 03-16-1993 | Schulman, et al. | |
| | A10 | US-5,312,439 | 03-17-1994 | Loeb | |
| | A11 | US-5,324,316 | 01-28-1994 | Schulman, et al. | |
| | A12 | US-5,358,514 | 10-25-1994 | Schulman, et al. | |
| | A13 | US-5,405,367 | 04-11-1995 | Schulman, et al. | |
| | A14 | US-5,571,148 | 11-05-1996 | Loeb, et al. | |
| | A15 | US-5,702,428 | 12-30-1997 | Tippey, et al. | |
| | A16 | US-5,957,965 | 09-28-1999 | Moumane, et al. | |
| | A17 | US-5,984,854 | 11-16-1999 | Ishikawa, et al. | |
| | A18 | US-6,051,017 | 04-18-2000 | Loeb, et al. | |
| | A19 | US-6,104,960 | 08-15-2000 | Duysens, et al. | |
| | A20 | US-6,185,452-B1 | 02-06-2001 | Schulman, et al. | |
| | A21 | US-6,208,894-B1 | 03-27-2001 | Schulman, et al. | |
| | A22 | US-6,240,316-B1 | 05-29-2001 | Richmond, et al. | |
| | A23 | US-6,360,750-B1 | 03-26-2002 | Gerber, et al. | |
| | A24 | US-2001/0002441-A1 | 05-31-2001 | Boveja | |

SEP 26 2002
TC 3700 MAIL ROOM

RECEIVED

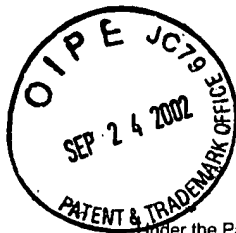
SEP 26 2002

TC 3700 MAIL ROOM

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------------|------------------------------|----------------------|------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | † ⁶ |
| | | Country Code ³ | -Number ⁴ | -Kind Code ⁵ (if known) | | | | |
| jm | A25 | WO-98/37926-A1 | | | 09-03-1998 | Schulman, et al. | | |
| | A26 | WO-98/43700-A1 | | | 10-08-1998 | Schulman, et al. | | |
| | A27 | WO-98/43701-A1 | | | 10-08-1998 | Schulman, et al. | | |
| | A28 | WO-01/52729-A2 | | | 07-26-2001 | Schmidt | | |
| | A29 | EP-0245547-B1 | | | 08-22-1990 | Tanagho, et al. | | |

| | | | |
|--------------------|-----------------------|-----------------|--------|
| Examiner Signature | <i>Joseph Smalley</i> | Date Considered | 9/2/03 |
|--------------------|-----------------------|-----------------|--------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
† Applicant's unique citation designation number (optional). † See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.
‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ‡ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ‡ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ‡ Applicant is to place a check mark here if English language Translation is attached.
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------|--------------------|------------------------|---------|
| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 09/929,597 | | |
| | | Filing Date | August 13, 2001 | | |
| | | First Named Inventor | Whitehurst, et al. | | |
| | | Group Art Unit | 3762 | | |
| | | Examiner Name | | | |
| Sheet | 2 | of | 2 | Attorney Docket Number | AB-126U |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
|----------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| Jm | A30 | CAMERON, et al., "Micromodular Implants to Provide Electrical Stimulation of Paralyzed Muscles and Limbs", IEEE Transactions on Biomedical Engineering, Vol. 44, No. 9, (Sept. 1997), pages 781-790. | |
| | A31 | SHEALY, et al., "Electrical Inhibition of Pain by Stimulation of the Dorsal Column", Anesthesia and Analgesia, Vol. 46, (1967), pages 489-491. | |
| | A32 | DELAPORTE, et al., "Lumbrosacral Spinal Fibrosis (Spinal Arachnoiditis): its Diagnosis and Treatment by Spinal Cord Stimulation", Spine, Vol. 8, (1983), pages 593-603. | |
| | A33 | NORTH, et al., "Spinal Cord Stimulation for Chronic, Intractable Pain: Experience over Two Decades", Neurosurgery, Vol. 32, No. 3, (1993) pages 384-395. | |
| | A34 | BROSETA, et al., "Chronic Epidural Dorsal Column Stimulation in the Treatment of Causalgia Pain", Appl Neurophysiol, Vol. 45, (1982), pages 190-194. | |
| | A35 | KRAINICK, et al., "Pain Reduction in Amputees by Long Term Spinal Cord Stimulation (5 year study)", J Neurosurg, Vol. 52, (1980) pages 346-350. | |
| | A36 | JACOBS, et al., "Epidural Spinal Cord Electrical Stimulation improves Microvascular Blood Flow in Severe Limb Ischemia", Annals of Surgery, Vol. 207, No. 2, (1988), pages 179-182. | |
| | A37 | MELZACK, et al., "Pain Mechanisms: a New Theory", Science, Vol. 150, (1965) pages 971-979. | |
| OTHER PRIOR ART - RELATED APPLICATIONS | | | |
| | A38 | LOEB, RICHMOND, MANN, FALTYS, WHITEHURST, AND McGIVERN inventors for AB-047U U.S. Patent Application Serial No. 09/642,979; filed August 18, 2000; entitled "Implantable Stimulator System and Method for Treatment of Incontinence and Pain". | |

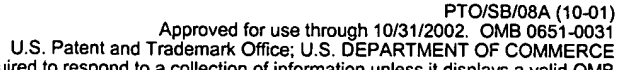
| | | | |
|--------------------|-----------------------|-----------------|--------|
| Examiner Signature | <i>Joseph S. M...</i> | Date Considered | 9/2/02 |
|--------------------|-----------------------|-----------------|--------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED
SEP 26 2002
C 3300 MAIL ROOM



| | | | | | |
|---------------------------------------------------------------------------------------------------|---|----|---|--------------------------|--------------------|
| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 09/929,597 |
| | | | | Filing Date | August 13, 2001 |
| | | | | First Named Inventor | Whitehurst, et al. |
| | | | | Art Unit | 3762 |
| | | | | Examiner Name | Schaetzle, K. |
| | | | | Attorney Docket Number | AB-126U |
| Sheet | 1 | of | 1 | | |

RECEIVED
MAY 28 2003
TECHNOLOGY CENTER R3700

| | | | |
|-----------------------|-----------------------|--------------------|--------|
| Examiner Signature | <i>Joseph Smalley</i> | Date Considered | 9/2/03 |
|-----------------------|-----------------------|--------------------|--------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.
³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
 Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.